

Access DB# 71092

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: David Hylward Examiner #: _____ Date: 7/16/02
Art Unit: 1712 Phone Number 30 8-3372 Serial Number: 091815414
Mail Box and Bldg/Room Location: C3 4A01 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

No Litigation Reported

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Mellison</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit <u>40.85</u>
Date Searcher Picked Up: <u>7/16</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>7/16</u>	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis <u>40.00</u>
Searcher Prep & Review Time: <u>2</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>8</u>	Other _____	Other (specify) _____

Current session 16/07/2002

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QUESTEL.ORBIT (TM) 1998 16/07/02 23*11*31
Last connection: 16/07/02 16*21*41

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- PlusPat Family w Legal Status in ONE record: INFO MFAMSTAT
- Now 9 million Images w PlusPat displays : INFO IMG-PLUSPAT
- Latest EP, WO & US Applications in One Alert: INFO APPALERT
- New format and database names, see INFO COMPU-MARK
- File access codes changes: INFO FILECODES
- EPAPAT contains all unique EPTTEXT data. EPTTEXT file removed
..FILE / ..INFO / ..GUIDE

Query/Command : FILE PLUSPAT

QUESTEL - Time in minutes : 0,69
The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.59 USD
Cost estimated for the last database search :	0.59 USD
Estimated total session cost :	0.59 USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database
New Family Legstat & LEGAL Displays; INFO MFAMSTAT & INFO NEWS-PLUSPAT
Last database update: 2002/07/10 (YYYY/MM/DD) 2002-27/UP (basic update)

Search statement 1

Query/Command : US5948850/PN**** SS 1: Results 1**

Search statement 2

Query/Command : PRT FULL NONSTOP LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT

PN - **US5948850** A 19990907 [US5948850]
TI - (A) Thermoplastic elastomer composition for powder slush molding and process for preparation of said composition
PA - (A) MITSUBOSHI BELTING LTD (JP)
IN - (A) ENAMI HIROHIDE (JP); ONO KENRO (JP); HIOKI KASTUYUKI (JP)
AP - US86967097 19970605 [1997US-0869670]
PR - JP16825996 19960606 [1996JP-0168259]
JP29961796 19961023 [1996JP-0299617]
IC - (A) C08K-005/01 C08L-053/02
EC - C08L-023/10 &B2
C08L-023/10 &B5
C08L-023/16 &B2
C08L-023/16 &B5
PCL - ORIGINAL (O) : 524515000; CROSS-REFERENCE (X) : 524505000 525095000
DT - Corresponding document
CT - US5596042
STG - (A) United States patent
AB - A thermoplastic elastomer composition for powder slush molding made up of a polypropylene resin, hydrogenated styrene/butadiene rubber, a process oil and an elastomer excellent in oil absorbing power. A process for making that thermoplastic elastomer composition may include the addition of an organic peroxide to the above components and kneading the obtained mixture while heating.

1 / 1 LGST - ©LEGSTAT

PN - US 5948850 [US5948850]
AP - US 869670/97 19970605 [1997US-0869670]
DT - US-P
ACT - 19970605 US/AE-A
APPLICATION DATA (PATENT)
US 869670/97 19970605 [1997US-0869670]

19971128 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
MITSUBOSHI BELTING LTD. NO. 1-21, 4-CHOME, HAMAZOE-DORI,
NAGATA-KU KOBE, HYOGO, * ENAMI, HIROHIDE : 19970617; ONO, KENRO :
19970617; HIOKI, KASTUYUKI : 19970617

19990907 US/A
PATENT

20010821 US/RF
REISSUE APPLICATION FILED
20010322
UP - 2001-40

1 / 1 CRXX - ©CLAIMS/RRX

PN - 5,948,850 A 19990907 [US5948850]
PA - Mitsuboshi Belting Ltd JP
ACT - 20010322 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010821
REISSUE REQUEST NUMBER: 09/815414
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1712

Reissue Patent Number:

1 / 1 PAST - ©Thomson Derwent

AN - 200134-001353
PN - 5948850 A [US5948850]
OG - 2001-08-21
ACT - REISSUE APPLICATION FILED

Query/Command : FILE INPADOC

PLUSPAT - Time in minutes : 0,45
The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.99 USD
Records displayed and billed :	1
Estimated cost :	1.10 USD
Cost estimated for the last database search :	2.09 USD
Estimated total session cost :	2.68 USD

LGST - Time in minutes : 0,08
The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.08 USD
Records displayed and billed :	1
Estimated cost :	0.57 USD
Legal-Status informations :	1
Estimated cost :	4.92 USD
Cost estimated for the last database search :	5.57 USD
Estimated total session cost :	8.25 USD

CRXX - Time in minutes : 0,05
The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.07 USD
Records displayed and billed :	1
Estimated cost :	5.00 USD
Legal-Status informations :	1
Estimated cost :	4.92 USD
Cost estimated for the last database search :	9.99 USD
Estimated total session cost :	18.24 USD

PAST - Time in minutes : 0,04
The cost estimation below is based on Questel's

standard price list

	Estimated cost :	0.07 USD
Records displayed and billed :	1	
	Estimated cost :	5.61 USD
Legal-Status informations :	1	
	Estimated cost :	4.92 USD
Cost estimated for the last database search :	10.60 USD	
Estimated total session cost :	28.84 USD	

LITA - Time in minutes : 0,01
The cost estimation below is based on Questel's
standard price list

	Estimated cost :	0.01 USD
Cost estimated for the last database search :	0.01 USD	
Estimated total session cost :	28.85 USD	

Selected file: INPADOC

You are now connected to INPADOC
Covers 1968/1973 thru weekly updates (2002-28)
For information on content, (...)INFO INPD.

Search statement 1

Query/Command : FAM US5948850/PN

1 Patent Groups

**** SS 1: Results 9**

Search statement 2

Query/Command : FAMSTATE NONSTOP

1 / 9 INPADOC - ©INPADOC

PN - DE 69711986 C0 20020523 [DE69711986]
TI - THERMOPLASTISCHE ELASTOMERZUSAMMENSETZUNG FUER
HOHLKOERPERGIESSEN UND VERFAHREN ZUR HERSTELLUNG DIESER
ZUSAMMENSETZUNG
IN - ENAMI HIROSHIDE [JP]; ONO KENRO [JP]; HIOKI KASTUYUKI [JP]
PA - MITSUBOSHI BELTING LTD [JP]
AP - DE 69711986/97-A 19970606 [1997DE-6011986]
PR - JP 168259/96-A 19960606 [1996JP-0168259]
JP 299617/96-A 19961023 [1996JP-0299617]
JP 136139/97-A 19970509 [1997JP-0136139]
IC - C08L-023/10; C08L-025/10; C08L-053/02; C08L-023/16

1 / 2 LEGALI - ©LEGSTAT

PN - DE 69711986 [DE69711986]
DT - DE-P
ACTE - 20020523 DE/REF-P
CORRESPONDS TO
(EP 811657 20020523 [EP-811657])
UP - 2002-21

2 / 2 LEGALI - ©LEGSTAT

PN - EP 811657 [EP-811657]
AP - EP 97250176/97 19970606 [1997EP-0250176]
DT - EP-P
ACTE - 19970606 EP/AE-A
EP-APPLICATION
EP 97250176/97 19970606 [1997EP-0250176]

19971210 EP/AK-A2 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT
SEARCH REPORT:
DE FR GB NL

19971210 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

19980422 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

19980422 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

19980729 EP/17P [+]
REQUEST FOR EXAMINATION FILED
980529

19981104 EP/17Q [+]
FIRST EXAMINATION REPORT
980922

19990107 EP/AKX [+]
PAYMENT OF DESIGNATION FEES
DE FR GB NL

19990107 EP/RBV [+]
DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB NL

20020101 EP/REG; GB/IF02 [+]
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
<GB>

20020417 EP/AK-B1 [+]
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT
SPECIFICATION:
DE FR GB NL

20020417 EP/B1 [+]
PATENT SPECIFICATION

20020523 EP/REF-P
CORRESPONDS TO:
(DE 69711986 20020523 [DE69711986])

UP - 2002-21

2 / 9 INPADOC - ©INPADOC

PN - EP 811657 B1 20020417 [EP-811657]
TI - THERMOPLASTIC ELASTOMER COMPOSITION FOR POWDER SLUSH
MOLDING AND PROCESS FOR THE PREPARATION OF THE COMPOSITION
LA - ENG
IN - ENAMI HIROSHIDE [JP]; ONO KENRO [JP]; HIOKI KASTUYUKI [JP]
PA - MITSUBOSHI BELTING LTD [JP]
AP - EP 97250176/97-A 19970606 [1997EP-0250176]
PR - JP 168259/96-A 19960606 [1996JP-0168259]
JP 299617/96-A 19961023 [1996JP-0299617]
JP 136139/97-A 19970509 [1997JP-0136139]
IC - C08L-023/10; C08L-025/10; C08L-053/02; C08L-023/16
DS - DE* FR* GB* NL*

1 / 2 LEGALI - ©LEGSTAT

PN - DE 69711986 [DE69711986]
DT - DE-P
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UP - 2002-21

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PN - EP 811657 [EP-811657]
AP - EP 97250176/97 19970606 [1997EP-0250176]
DT - EP-P
ACTE - 19970606 EP/AE-A
EP-APPLICATION
EP 97250176/97 19970606 [1997EP-0250176]

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CORRESPONDS TO:
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UP - 2002-21

3 / 9 INPADOC - ©INPADOC

PN - EP 811657 A2 19971210 [EP-811657]
TI - THERMOPLASTIC ELASTOMER COMPOSITION FOR POWDER SLUSH
MOLDING AND PROCESS FOR THE PREPARATION OF THE COMPOSITION
LA - ENG
IN - ENAMI HIROSHIDE [JP]; ONO KENRO [JP]; HIOKI KASTUYUKI [JP]
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JP 136139/97-A 19970509 [1997JP-0136139]
IC - C08L-023/10; C08L-025/10; C08L-053/02; C08L-023/16
DS - DE* FR* GB* NL*

1 / 2 LEGALI - ©LEGSTAT

PN - DE 69711986 [DE69711986]
DT - DE-P
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UP - 2002-21

2 / 2 LEGALI - ©LEGSTAT

PN - EP 811657 [EP-811657]
AP - EP 97250176/97 19970606 [1997EP-0250176]
DT - EP-P
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PATENT SPECIFICATION

20020523 EP/REF-P
CORRESPONDS TO:
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4 / 9 INPADOC - ©INPADOC

PN - EP 811657 A3 19980422 [EP-811657]
TI - THERMOPLASTIC ELASTOMER COMPOSITION FOR POWDER SLUSH
MOLDING AND PROCESS FOR THE PREPARATION OF THE COMPOSITION
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AP - EP 97250176/97-A 19970606 [1997EP-0250176]
PR - JP 168259/96-A 19960606 [1996JP-0168259]
JP 299617/96-A 19961023 [1996JP-0299617]
JP 136139/97-A 19970509 [1997JP-0136139]
IC - C08L-023/10; C08L-025/10; C08L-053/02; C08L-023/16
DS - AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT* SE*

1 / 2 LEGALI - ©LEGSTAT

PN - DE 69711986 [DE69711986]
DT - DE-P
ACTE - 20020523 DE/REF-P
CORRESPONDS TO
(EP 811657 20020523 [EP-811657])
UP - 2002-21

2 / 2 LEGALI - ©LEGSTAT

PN - EP 811657 [EP-811657]
AP - EP 97250176/97 19970606 [1997EP-0250176]
DT - EP-P
ACTE - 19970606 EP/AE-A
EP-APPLICATION
EP 97250176/97 19970606 [1997EP-0250176]

19971210 EP/AK-A2 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT
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19971210 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

19980422 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

19980422 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

19980729 EP/17P [+]
REQUEST FOR EXAMINATION FILED
980529

19981104 EP/17Q [+]
FIRST EXAMINATION REPORT
980922

19990107 EP/AKX [+]
PAYMENT OF DESIGNATION FEES
DE FR GB NL

19990107 EP/RBV [+]
DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB NL

20020101 EP/REG; GB/IF02 [+]
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
<GB>

20020417 EP/AK-B1 [+]
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT
SPECIFICATION:
DE FR GB NL

20020417 EP/B1 [+]
PATENT SPECIFICATION

20020523 EP/REF-P
CORRESPONDS TO:
(DE 69711986 20020523 [DE69711986])

UP - 2002-21

5 / 9 INPADOC - ©INPADOC

PN - JP 2002037938 A2 20020206 [JP2002037938]
TI - THERMOPLASTIC ELASTOMER COMPOSITION FOR POWDER SLUSH
MOLDING
IN - ENAMI HIROHIDE; ONO TATEO; HIOKI KATSUYUKI
PA - MITSUBOSHI BELTING LTD
AP - JP 2001207177/01-A 20010709 [2001JP-0207177]
PR - JP 2001207177/01-A 20010709 [2001JP-0207177]
JP 168259/96-A 19960606 [1996JP-0168259]
JP 299617/96-A 19961023 [1996JP-0299617]
IC - C08L-023/10; B29C-041/18; C08L-015/00; C08L-023/08; C08L-053/00; C08L-053/02;
C08L-091/00; B29K-021/00; B29L-031/58

6 / 9 INPADOC - ©INPADOC

PN - JP 3276586 B2 20020422 [JP3276586]
AP - JP 157801/97-A 19970530 [1997JP-0157801]
PR - JP 157801/97-A 19970530 [1997JP-0157801]
JP 168259/96-A 19960606 [1996JP-0168259]
JP 299617/96-A 19961023 [1996JP-0299617]
IC - C08L-023/10; B29B-009/04; C08K-005/01; C08L-009/06; C08L-023/08; C08L-023/16;
C08L-025/10; C08L-053/00

7 / 9 INPADOC - ©INPADOC

PN - JP 10182900 A2 19980707 [JP10182900]
TI - THERMOPLASTIC ELASTOMER COMPOSITION FOR POWDER SLUSH
MOLDING AND ITS PRODUCTION
IN - ENAMI HIROHIDE; ONO TATEO; HIOKI KATSUYUKI
PA - MITSUBOSHI BELTING LTD
AP - JP 157801/97-A 19970530 [1997JP-0157801]
PR - JP 157801/97-A 19970530 [1997JP-0157801]
JP 168259/96-A 19960606 [1996JP-0168259]
JP 299617/96-A 19961023 [1996JP-0299617]
IC - C08L-023/10; C08K-005/01; C08L-009/06

8 / 9 INPADOC - ©INPADOC

PN - KR 234869 B1 19991215 [KR-234869]
TI - THERMOPLASTIC ELASTOMER COMPOSITION FOR POWDER SLUSH
MOLDING AND PROCESS FOR THE PREPARATION OF THE COMPOSITION
IN - ENAMI HIROSHIDE [JP]; ONO KENRO [JP]; HIOKI KASTUYUKI [JP]
PA - MITSUBOSHI BELTING LTD [JP]
AP - KR 9723199/97-A 19970605 [1997KR-0023199]
PR - JP 168259/96-A 19960606 [1996JP-0168259]
JP 299617/96-A 19961023 [1996JP-0299617]
JP 136139/97-A 19970509 [1997JP-0136139]
IC - C08L-023/10

9 / 9 INPADOC - ©INPADOC

PN - US 5948850 A 19990907 [US5948850]
TI - THERMOPLASTIC ELASTOMER COMPOSITION FOR POWDER SLUSH
MOLDING AND PROCESS FOR PREPARATION OF SAID COMPOSITION
IN - ENAMI HIROHIDE [JP]; ONO KENRO [JP]; HIOKI KASTUYUKI [JP]
PA - MITSUBOSHI BELTING LTD [JP]
AP - US 869670/97-A 19970605 [1997US-0869670]
PR - JP 168259/96-A 19960606 [1996JP-0168259]
JP 299617/96-A 19961023 [1996JP-0299617]
IC - C08L-053/02; C08K-005/01

1 / 1 LEGALI - ©LEGSTAT

PN - US 5948850 [US5948850]
AP - US 869670/97 19970605 [1997US-0869670]
DT - US-P

ACTE - 19970605 US/AE-A
APPLICATION DATA (PATENT)
US 869670/97 19970605 [1997US-0869670]

19971128 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
MITSUBOSHI BELTING LTD. NO. 1-21, 4-CHOME, HAMAZOE-DORI,
NAGATA-KU KOBE, HYOGO, * ENAMI, HIROHIDE : 19970617; ONO, KENRO :
19970617; HIOKI, KASTUYUKI : 19970617

19990907 US/A
PATENT

20010821 US/RF
REISSUE APPLICATION FILED
20010322

UP - 2001-40

Query/Command : ..ST

Session finished: 16 JUL 2002 Time 23:14:11

INPADOC - Time in minutes : 1,49
The cost estimation below is based on Questel's
standard price list

Estimated cost :	1.63 USD
Number of ..FAM command : 1	
Estimated cost :	10.00 USD
Cost estimated for the last database search :	11.63 USD
Estimated total session cost :	40.48 USD

LEGALI - Time in minutes : 0,34
The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.37 USD
Cost estimated for the last database search :	0.37 USD
Estimated total session cost :	40.85 USD

QUESTEL - Time in minutes : 0,01
The cost estimation below is based on Questel's
standard price list

Estimated total session cost :	40.85 USD
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Your session will be retained for 2 hours.

QUESTEL.ORBITE thanks you. Hope to hear from you again soon.

(C) QUESTEL 1994
QUESTEL.ORBITE (TM) 1998
Last connection: 16/07/02 23*11*31

16/07/02 23*15*59

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- New Family displays w LEGAL option, etc: INFO NEWS-PLUSPAT
- PlusPat Family w Legal Status in ONE record: INFO MFAMSTAT
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- New format and database names, see INFO COMPU-MARK
- File access codes changes: INFO FILECODES
- EPAPAT contains all unique EPTXT data. EPTXT file removed

Continue the search in Questel.Orbit: Y / N

(C) QUESTEL 1994
QUESTEL.ORBITE (TM) 1998 16/07/02 23*15*59
Last connection: 16/07/02 23*11*31

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- PlusPat Family w Legal Status in ONE record: INFO MFAMSTAT
- Now 9 million Images w PlusPat displays : INFO IMG-PLUSPAT
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- New format and database names, see INFO COMPU-MARK
- File access codes changes: INFO FILECODES
- EPAPAT contains all unique EPTXT data. EPTXT file removed

Continue the search in Questel.Orbit: Y / N

Query/Command : Y

QUESTEL - Time in minutes : 0,84
The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.72 USD
Cost estimated for the last database search :	0.72 USD
Estimated total session cost :	0.72 USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database
New Family Legstat & LEGAL Displays; INFO MFAMSTAT & INFO NEWS-PLUSPAT
Last database update: 2002/07/10 (YYYY/MM/DD) 2002-27/UP (basic update)

Selected file: LGST

You are now connected to LGST
Current thru weekly updates (2002-26)
For information on content, ..INFO LGST

Selected file: CRXX

CRXX (CLAIMS Current Legal Status)
Legal Status actions current thru july 09 2002 (2002-28/up)
Reassignment data current as of June 07, 2002.
For info on technical content on this file, see: INFO CRXX

Selected file: PAST

You are now connected to PAST, (c) Derwent Information Ltd
Covers 1973 thru weekly update (2002-28)
Information on technical content of this file, see INFO PAST

Selected file: LITA

You are now connected to LitAlert, (c) Derwent Information Ltd
Covers 1970 thru weekly update (2002-28)
For technical content information : see INFO LITA

Selected file: LEGALI

Selected file: INPADOC

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1. 5948850 , September 7, 1999 , Thermoplastic elastomer composition for powder slush molding and process for preparation of said composition , Enami, Hirohide, Akash, JPX; Ono, Kenro, Hyogo, JPX; Hioki, Kastuyuki, Hyogo, JPX, 08869670

CORE TERMS: composition, oil, styrene, sup, elastomer, resin, skin, powder, kgf, polypropylene ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5948850

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September 7, 1999

Thermoplastic elastomer composition for powder slush molding
and process for preparation of said composition

REISSUE: March 22, 2001 - Reissue Application filed Mar. 22, 2001 (O.G. Aug. 21, 2001) Ex. Gp.: 1712; Re. S.N. 09/815,414 August 21, 2001

APPL-NO: 08869670

FILED-DATE: June 5, 1997

GRANTED-DATE: September 7, 1999

CORE TERMS: composition, oil, styrene, sup, elastomer, resin, skin, powder, kgf, polypropylene ...

ENGLISH-ABST:

A thermoplastic elastomer composition for powder slush molding made up of a polypropylene resin, hydrogenated styrene/butadiene rubber, a process oil and an elastomer excellent in oil absorbing power. A process for making that thermoplastic elastomer composition may include the addition of an organic peroxide to the above components and kneading the obtained mixture while heating.

5948850 OR 9,948,850

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